CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Assistant Commissioner of Patents, Washington, D.C. 20231 on October 19, 2001.

natini ji Noll

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael E. Mack, et al. Examiner: N/A Serial Number: 09/904,919 Art Group: 2881

Filed: July 13, 2001 Docket No. 11460-112 For: GAS CLUSTER ION BEAM SIZE DIAGNOSTICS AND WORKPIECE PROCESSING

Perkins, Smith and Cohen, LLP One Beacon Street Boston, MA 02108 (617) 854-4000

TO: Assistant Commissioner of Patents

ATTENTION: BOX MISSING PARTS

Washington, D.C. 20231

RESPONSE TO FILE MISSING PARTS

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated August 27, 2001, an executed Declaration and Powers of Attorney are submitted herewith together with a copy of the Notice to File Missing Parts and two checks totaling \$170.00 covering the required fees for the Response to File Missing Parts and Assignment.

#4

Also enclosed herewith, please find an Assignment, which is to be recorded for the above-identified application.

Please charge any underpayment of fees to or credit any overpayment of fees to Deposit Account No. 03-2410, order 11460-112.

In accordance with Section 714.01 of the M.P.E.P., the following information is presented in the event that a call may be deemed desirable by the Examiner:

Kathryn E. Noll

(617) 854-4000

Dated: <u>(17./7</u>, 2001

Respectfully submitted,

Michael E. Mack, et al., Applicants

By

Kathryn / Noll

Reg. #48,811

11460-112-RespMissParts



United States Patent and Trademark Office

Page 1 on 1

#4

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 2023I
www.uspto.gov

APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/904,919

07/13/2001

Michael E. Mack

11460-112

26486
PERKINS, SMITH & COHEN LLP
ONE BEACON STREET
30TH FLOOR
BOSTON, MA 02108

CONFIRMATION NO. 4702
FORMALITIES LETTER

OC000000006472883

Date Mailed: 08/27/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

01/11/2002 NMDHANM1 00000060 09904919

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Signature

JAN 0 7 2002

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Please type a plus sign (+) inside this box + Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paper Lock Reption Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number 09/904,919 TRANSMITTAL Filing Date July 13, 2001 **FORM** First Named Inventor Michael E. Mack (to be used for all correspondence after initial filing) Group Art Unit 2881 **Examiner Name** N/A Total Number of Pages in This Submission Attorney Docket Number 11460-112 ENCLOSURES (check all that apply) Assignment Papers After Allowance Communication to Fee Transmittal Form (for an Application) Appeal Communication to Board of Fee Attached Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Response Licensing-related Papers (Appeal Notice, Brief, Reply Brief) Petition After Final Proprietary Information Petition to Convert to a Affidavits/declaration(s) __ Status Letter Provisional Application Power of Attorney, Revocation Other Enclosure(s) Extension of Time Request Change of Correspondence Address (please identify below): Powers of Attorney (2) Terminal Disclaimer Express Abandonment Request **Post Card** Request for Refund Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Kathryn E. Noll Reg. No.: 48,811 Individual name Signature Date CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: October 19, 2001 Typed or printed name Kathryn E. Noll

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Date

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

E TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

(\$)	170	.00
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Complete if Known					
Application Number	09/904,919				
Filing Date	July 13, 2001				
First Named Inventor	Michael E. Mack				
Examiner Name	N/A				
Group Art Unit	2881				
Attorney Docket No.	11460-112				

METHOD OF PAYMENT	FEE CALCULATION (continued)					
1. X The Commissioner is hereby authorized to charge indicated focus and credit any overrowments to:	3. ADDITIONAL FEES					
Pages Harge Small						
Account Number 03-2410 Order No.: 11460-	Entity Entity Fee Fee Fee Fee Fee Paic					
	Code (\$) Code (\$)					
Account Name Perkins, Smith & Cohen	105 130 205 65 Surcharge - late filing fee or oath					
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet					
Applicant claims small entity status.	139 130 139 130 Non-English specification					
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination					
2. A Payment Enclosed: y Check Credit card Money Other	112 920* 112 920* Requesting publication of SIR prior to Examiner action					
FEE CALCULATION	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action					
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month					
Large Entity Small Entity	116 400 216 200 Extension for reply within second month					
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	117 920 217 460 Extension for reply within third month					
101 740 201 370 Utility filing fee	118 1,440 218 720 Extension for reply within fourth month					
106 330 206 165 Design filing fee	128 1,960 228 980 Extension for reply within fifth month					
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal					
108 740 208 370 Reissue filing fee	120 320 220 160 Filing a brief in support of an appeal					
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing					
011070744 (4) (ft)	138 1,510 138 1,510 Petition to institute a public use proceeding					
SUBTOTAL (1) (\$)	140 110 240 55 Petition to revive - unavoidable					
2. EXTRA CLAIM FEES Fee from	141 1,280 241 640 Petition to revive - unintentional					
Extra Claims below Fee Paid	142 1,280 242 640 Utility issue fee (or reissue)					
Total Claims20** = X =	143 460 243 230 Design issue fee					
Claims	144 620 244 310 Plant issue fee					
Multiple Dependent	122 130 122 130 Petitions to the Commissioner					
Large Entity Small Entity	123 50 123 50 Processing fee under 37 CFR 1.17(q)					
Large Entity Small Entity Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt					
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)					
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))					
104 280 204 140 Multiple dependent claim, if not paid	149 740 249 370 For each additional invention to be					
109 84 209 42 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b))					
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	179 740 279 370 Request for Continued Examination (RCE)					
and over original paterit	169 900 169 900 Request for expedited examination of a design application					
SUBTOTAL (2) (\$)	Other fee (specify)					
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 170.00						
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SUBMITTED BY			Complete (if applicable)		
Name (Print/Type)	Kathryn E. Noll	Registration No. (Attorney/Agent)	48,811	Telephone	617-854-4000
Signature	hathryn & Ma	U	·	Date	DCt. 19, 2001

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